Panasonic
ideas for life

2008
FLAT PANEL TELEVISIONS

Panasonic
Official Worldwide
Olympic Partner

VIERA

1 CONCEPT
- 04 VIERA Technical Concept
- 06 VIERA Concept

2 FEATURES
- 08 Impressive Picture Quality
- 16 Smart Networking
- 18 Environmentally Conscious Products
- 20 Other Special Features

3 PRODUCT DESIGN
- 22 Horizontal Arch Design

VIERA

INDEX

4 LIVING WITH VIERA

- 26 Urban Luxury Style
- 28 Resort Comfort Style
- 30 Smart Contemporary Style

5 DETAILS AND SPECIFICATIONS

- 32 VIERA Line-up
- 38 Specifications
- 42 Dimensions and Accessories of Plasma TV
- 44 Dimensions and Accessories of LCD

Networking Products

COMMERCIAL PLASMA DISPLAY

- 46 103" Professional Plasma

6 SHARING THE OLYMPIC PASSION

- 48 Venue, Broadcast, Home
- 50 Beijing 2008 Olympic Games

V-real Technology

VIERA Technical Concept

Raising the video signal to the level of emotional impact.

Dynamic sports action, sunset colours that flow naturally from one to the other, vividly coloured resort scenes. V-real 3 brings emotion and excitement to the screen.

"V-real" is the collective name for Panasonic's black-box imaging technologies, which have now evolved into the V-real 3 and V-real PRO 3 of the 2008 VIERA models. In the process, we redesigned every V-real device. We combined technologies that were originally developed to produce the HD camcorders that relay the excitement of the Olympic Games with technologies that were created by the Panasonic Hollywood Laboratory (PHL) for moviemaking. Image quality was scrutinised from every angle to give VIERA its deeply moving impact.

Panasonic Celebrating 15 Years in Hollywood

Celebrating 15 years in Hollywood, Panasonic have partnered with entertainment companies and industry professionals to deliver the finest and most innovative products for home entertainment. Panasonic has worked to meet the demands of industry professionals by conducting onsite research and developing cutting edge digital technologies, such as encoding, authoring and compression, to support the creative needs of the industry.

Special Plasma Features

PROCESSOR

VIERA V-real 3 / V-real PRO 3 Processor

This core, state-of-the-art device generates signals that comply with the newest video standards.

1080p Digital Processing Chip-Set*
Panasonic's original chip-set processes high-resolution video signals in their native 1920 x 1080-pixel format, without down-conversion.

1080p Digital Re-Mastering Processor*
This processor converts ordinary SD broadcasts and DVD video signals into high-resolution 1080p signals to render crisp images and optimise them for large-screen viewing.

*Only PZ800 Full-High Definition Series

DRIVER

VIERA V-real 3 / V-real PRO 3 Driver

This driver displays VIERA's stunning, real-life images onto the panel.

Our high-performance driver controls the drive power to optimise panel performance. The resulting images show every motion clearly and express each step of gradation in delicate detail.

PANEL

VIERA G11 HD/G11 Full-HD Panel*

The Full-HD panel displays images in magnificent resolution.

The Full-HD panel (1920 x 1080 resolution) directly displays the 1080p images that are processed by the video circuit to ensure highly detailed 1080p images. This high-speed, 0.001-msec response time self-illuminating panel also features excellent motion-image reproduction.

*Only PZ800 Full-High Definition Series

About Twice the Resolution of a Conventional HD Plasma Display Panel*

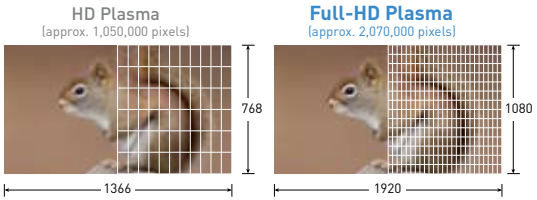


Image resolution about twice as high

These images are simulated and for reference only

*Only PZ800 Full-High Definition Series

DEEPLY MOVING

The sheer realism of VIERA images gives them a deep emotional resonance. It all comes from the incredible depth of on-screen colours created by the wide range of black gradation. Small details are rendered clearly, no matter how lively the movement in the scene. By sensing greater depth in moving images, you get a deeper feeling for the on-screen action.

Special Plasma Features

VIERA

Impressive Picture Quality > Page 8

Incredibly crisp motion images, rich colours, and deep blacks. True beauty for any type of image.

Smart Networking > Page 16

Intelligent operation of interconnected devices. Easy, convenient photo and video viewing.

Environmentally Conscious Products > Page 18

Environmental consideration starts with the design stage, because Panasonic cares about the future of our earth.

Impressive Picture Quality

Special Plasma Features

Impressive **Picture Quality**

Superb Moving Picture Resolution

Images with Genuine Blacks

Crisp, Clear, Real-Life Colour

A Cinema-Quality Experience

Superb Moving Picture Resolution

Excellent moving-picture resolution and smooth playback

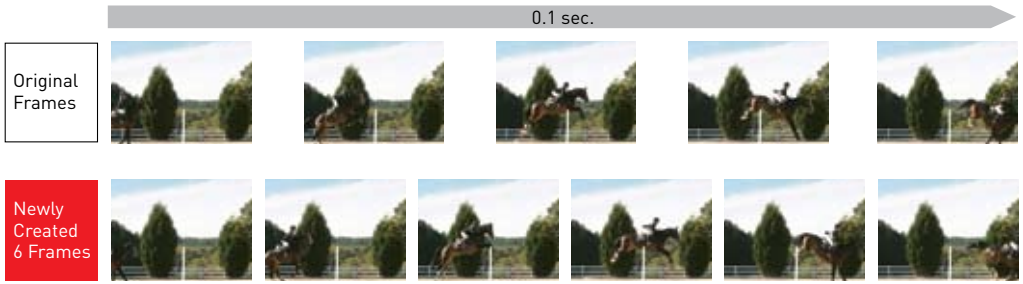
Over 900 Lines Moving Picture Resolution with Intelligent Frame Creation

Conventional　　Intelligent Frame Creation

With 50Hz video signal input, the Intelligent Frame Creation achieves high moving picture resolution even in fast-motion scenes. This function makes new frames by calculating speed and direction of motion. And allows natural frame-to-frame transitions, for smooth motion images with high resolution.

*Only PZ800 Full-High Definition Series

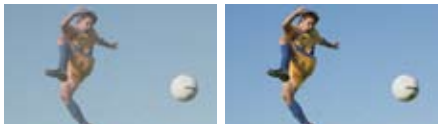
All of these images are simulated and for reference only



5 Frames are Converted to 6 Frames for Smooth Playback

Flicker-less, easy-to-see images

100Hz Double Scan



50Hz　　100Hz

Panasonic Plasma TVs are driven at 100Hz with a Double Scan Technology to reproduce Flicker Free Smooth Motion.

* When IFC (Intelligent Frame Creation) is operating, 100Hz Double Scan cannot be used.

All of these images are simulated and for reference only

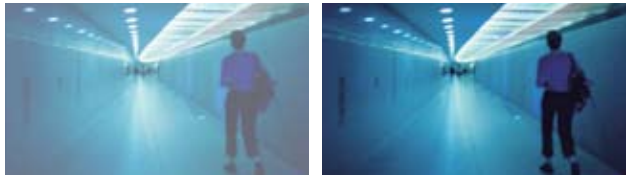
Special Plasma Features

Impressive **Picture Quality**

Images with Genuine Blacks

Clear details even in dark scenes

High Contrast Max. 1,000,000:1 (Native 30,000 : 1)



Conventional | Native 30,000 : 1

The new Real Black Drive system (a pre-discharge suppression system) and the improved panel production processes combine to reproduce outstanding blacks with outstanding contrast. They accurately reproduce even scenes with a delicate balance of light and shadow.

Glare is reduced for comfortable viewing

Natural Vision Filter

Conventional | Natural Vision Filter

This advanced filter keeps images sharp, with minimal glare. While dramatically reducing reflections from external light, it helps to produce clear images. This filter creates pure and crisp images in a wide range of colours.

* Except for PX80 and PX8 Series & TH-103PF10WK
All of these images are simulated and reference only

All of these images are simulated and for reference only

Crisp, Clear, Real-Life Colours

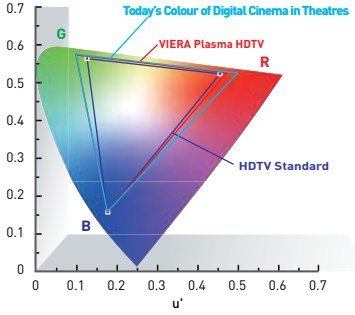
Colour reproduction exceeding the HDTV standard

Wide Colour Gamut Panel with x.v.Colour

Conventional　　Wide Colour Gamut Panel

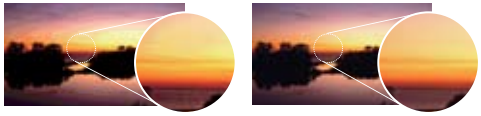
VIERA's large colour space covers 110% of the HDTV colour standard. This wide gamut has been achieved by an advanced panel structure and a newly developed filter, which produce richer, more vivid colouring from x.v.Colour source.

*Only PZ800 Full-High Definition Series
** x.v.Colour is a registered trademark.



Smooth gradation lends natural expression to images

5,120 Equivalent Steps of Gradation



Conventional　　5,120 Equivalent Steps of Gradation

Full 5,120 equivalent steps of gradation, which gives over 134 billion viewable colours, smoothly expresses each image. Outstanding gradation performance accurately depicts even the tiniest shades of colour in a sunset. The television is capable of expressing natural colours, to maximise the beautiful images of high-quality image sources.

*Only PZ800 Full-High Definition Series

All of these images are simulated and for reference only

Special Plasma Features

Impressive **Picture Quality**

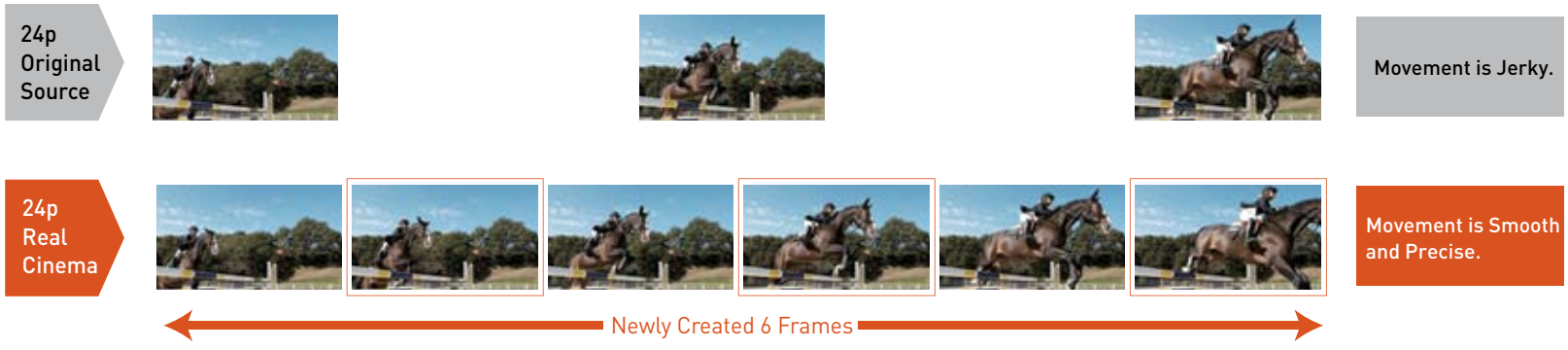
A Cinema-Quality Experience

Smooth image reproduction

24p Real Cinema

Increasing the number of frames makes the image smoother. Intelligent Frame Creation works for 24p sources. When reproducing a 24p movie source, the 24p Real Cinema function generates natural reproduction from the original 24 frames. Models that do not include 24p Real Cinema are equipped with 24p Playback. The 24p Playback function provides film-like images with 96Hz playback.

*Only PZ800 Full-High Definition Series



All of these images are simulated and for reference only

Special LCD Features

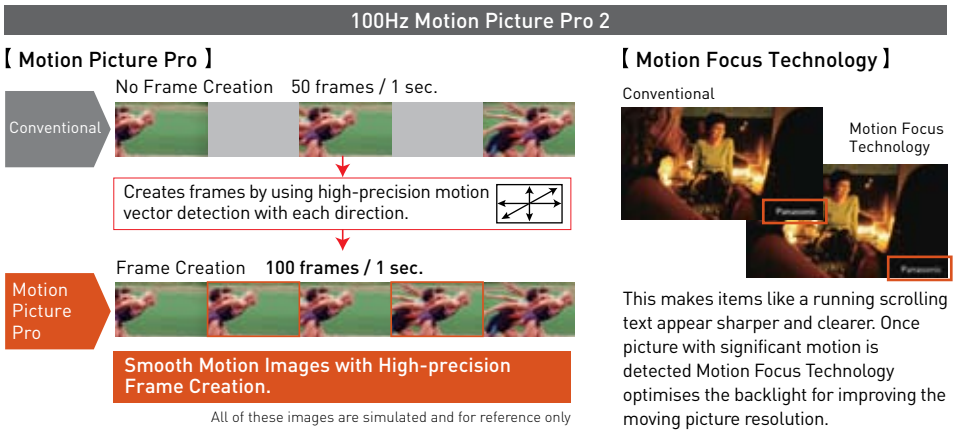
Fast-action images are also smooth and clear

100Hz Motion Picture Pro 2

Even fast-moving scenes in sports events and action movies are displayed sharply and clearly. With 50Hz video signal input, Motion Picture Pro creates 100 frames/1 sec. from 50 frames/1 sec. This increases the frame count to allow natural frame-to-frame transitions, which results in smooth motion images with high resolution. The VIERA LCD also detects areas with motion and activates backlight blinking for only those areas, greatly enhancing resolution.

*Only LZD850 and LZD800 Series

100Hz motion picture pro2


100Hz Motion Picture Pro 2
【 Motion Picture Pro 】
No Frame Creation
50 frames / 1 sec.
Conventional
Creates frames by using high-precision motion vector detection with each direction.
Frame Creation
100 frames / 1 sec.
Motion Picture Pro
Smooth Motion Images with High-precision Frame Creation.

All of these images are simulated and for reference only

【 Motion Focus Technology 】

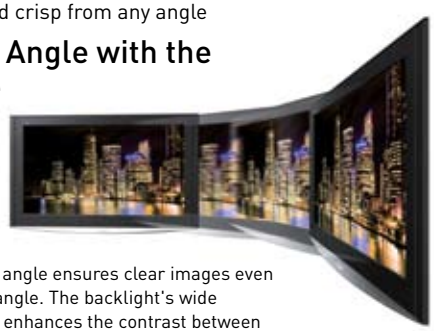
This makes items like a running scrolling text appear sharper and clearer. Once picture with significant motion is detected Motion Focus Technology optimises the backlight for improving the moving picture resolution.

Special LCD Features

Impressive **Picture Quality**

Images are clear and crisp from any angle

178° Viewing Angle with the IPS (In-Plane Switching) Alpha LCD Panel



The wide 178° viewing angle ensures clear images even when viewed from an angle. The backlight's wide transmission aperture enhances the contrast between light and dark, and improves motion-image response.

In Plane Switching PANEL by IPS Alpha Technology, Ltd.

*Measurement at an angle where the contrast ratio is 10:1 or higher
All of these images are simulated and for reference only

Reproducing rich, deep blacks

High Contrast 10,000 : 1 with I.S.C. (Intelligent Scene Controller)

Conventional

High Contrast

Black levels are improved and deepened by expanding the backlight tuning area. The I.S.C. (Intelligent Scene Controller) adjusts the LCD backlight to produce optimal picture quality. Improvements in panel contrast and the I.S.C. achieve a high contrast ratio of 10,000:1.

* When using Dynamic mode
All of these images are simulated and for reference only

INTELLIGENT SCENE CONTROLLER

A luxurious clear panel

Clear Panel

The Clear Panel brings the unified VIERA design concept to LCD TVs. It provides a sharper-looking appearance, while also helping to display sharp, crisp images.

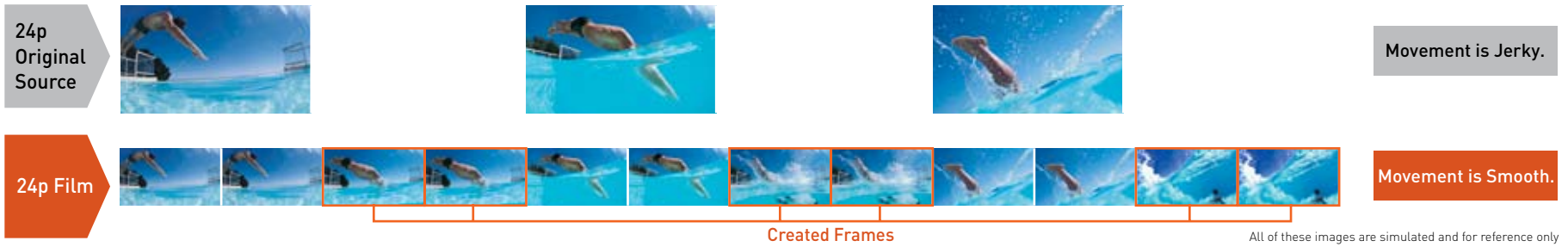
*Only LZD850 Series

Beautiful, smooth reproduction of movie images

24p Film

Outstanding picture quality for playback of Blu-ray Discs™. A cinematic effect is achieved to preserve the quality of images that are recorded onto movie film at 24 frames per second.

*Only LZD850 and LZD800 Series



All of these images are simulated and for reference only

Smart Networking

Control your home Audio Visual system with the VIERA remote

VIERA Link

VIERA Link allows interlinked operation of various AV devices using only the VIERA remote control, by simply connecting the devices to each other by an HDMI cable.

With a DIGA DVD Recorder or Blu-ray Disc™ Recorder

You can immediately start recording a program that you are watching on TV with a latest generation Panasonic DIGA DVD or Blu-ray Disc™ recorder by using the VIERA remote.

- Direct TV Rec.: This lets you quickly and easily record a program you are currently watching. (HD Tuner Recorder required to record HD content).
- Pause Live TV: This lets you pause a program you are currently watching, and then watch the remainder later. (HD Tuner Recorder required to pause HD content).

With a Blu-ray Disc™ Player

The graphical user interface (GUI) makes it easy to operate a latest generation Panasonic Blu-ray Disc™ player or a Panasonic Home Cinema System that features Blu-ray Disc™ compatibility.

With a Home Cinema Sound System

The entire Home Cinema Sound System can be turned on with a single press of the remote control button for immediate viewing enjoyment. You can even control the volume of the Home Cinema System with the VIERA television remote.

With an HD Camcorder

The VIERA remote control displays a control panel on the TV screen for playback, rewind and other camcorder operations.

* Not All 2008 VIERA Link features are compatible with all 2006/2007 VIERA Link products.

** Depending on the cable used, this function may not be possible. Panasonic HDMI cables are highly recommended.

Easily view photos on a large screen

HD Photo Viewer - SD Card Slot

The HD Photo Viewer provides a new photo viewing experience. Simply insert an SD Memory Card to display photos on the large screen. Photos are much more fun when you can view them on a large-screen HDTV with family and friends in 1920 x 1080-pixel high definition.

Viewing
Display photos on the large screen.
Shooting
Shooting with LUMIX
Simply insert an SD card to display photos shot with a digital still camera on the large screen!
Front panel

* Except for PX8 Series

** PX80 and LXD80 Series feature HD Photo Viewing in 1,366 x 768 Resolution (except for 42PX80 and 42PX8 which feature 1,024 x 768 Resolution)

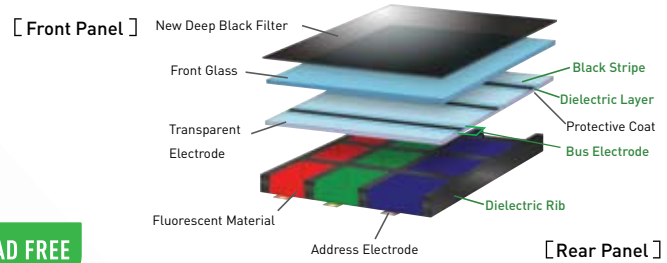
Environmentally Conscious Products

Making products more easily recyclable

Eco Friendly

Mercury and Lead Free Plasma Display Panel

Panasonic is conscious about the environment. That's why the current range of VIERA Plasmas are lead-free and contain no mercury. This reduces the impact on the environment when recycling or disposing of them in the future.



LEAD FREE DISPLAY

The parts in green letters are now lead-free.

Reduction of Lead Content

During 2006 approximately 4 million Plasma televisions were produced. Conventional Plasma TVs contain 70 grams of lead. This means that Panasonic avoided using 280 tones of lead for manufacturing Panasonic Televisions.

Optimal, waste-free light adjustment

Energy-Saving

Eco Mode

The TV adjusts the picture settings automatically depending on the ambient lighting conditions. The image brightness changes according to the level of room lighting to achieve an energy-saving operation.

Excellent picture quality for longer use

Resource-Saving

Long Panel Life, Up to 100,000 Hours

Panasonic Plasma technology advancement has resulted in 100,000 hours usage until the panel achieves 50% of the original brightness. The VIERA plasma panel offers a long service life of about 30 years or more, when watched for eight hours a day.

* This measurement is based on the time taken for the brightness of the panel to reduce to half of its initial maximum level based on operation in the normal mode with dynamic content. The time taken to reach this level may vary depending on the image content and the environment where the TV is used. Image retention and malfunctions are not taken into account.

Safe design

Resource-Saving

VIERA TOUGH PANEL

Front glass panel provides high resistance to impacts. The front of the plasma TV is covered by a glass panel, for extra assurance just in case something hits it. What's more, the protective panel makes cleaning easier too; simply wipe the panel with a soft cloth when necessary.

VIERA TOUGH PANEL

Comfortable viewing

People-Friendly

Gentle on the Eyes

Eye fatigue is suppressed, so both children and adults can watch TV in comfort even when viewing for relatively long periods of time. In a plasma TV, each pixel lights up, and the lighting intensity is adjusted according to the scene. Because of this, the images are not overly bright.

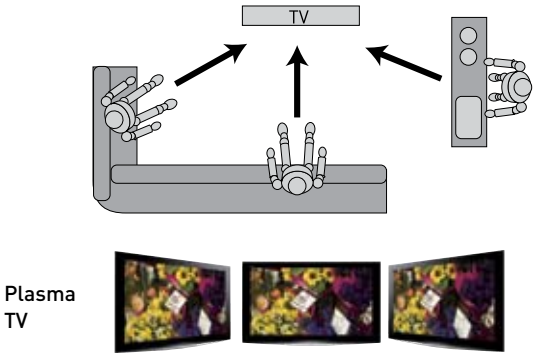
GENTLE ON THE EYES

Other Special Features

Picture and Sound Quality

Colour Viewing Angle

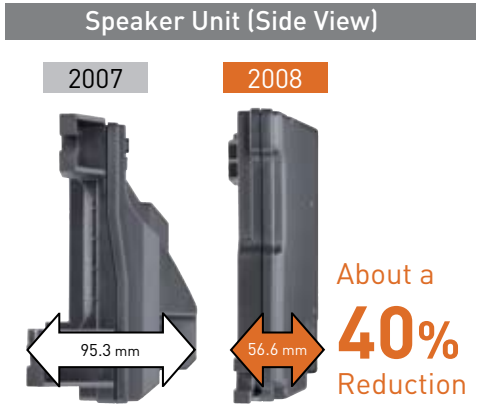
Because plasma TVs are self-illuminating, images are rich with vivid colours when viewed from any angle. Black areas do not fade, and colours remain almost identical regardless of where the viewer is located. Measured using the index for evaluating colour viewing angle developed by the Advanced Plasma Development Center Corporation (APDC). This ensures that you will get high-quality images even in very large living rooms.

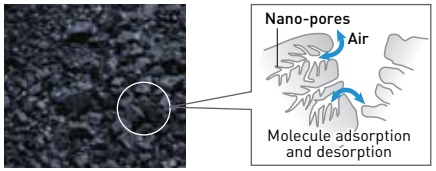


All of these images are simulated and for reference only

Smart Design Sound System

The newly developed slim speaker unit and carbon passive woofer allow a thinner design of the plasma TV while maintaining the previous level of high sound quality. Also, by changing the damper of the woofer unit from cloth to rubber, the thickness has been reduced by 15 mm. This has made the entire speaker unit 38.7 mm slimmer.

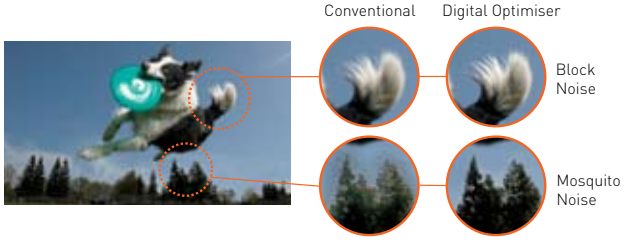




The carbon material inside the speaker box is used to virtually increase the capacity (+50%) and improve low-frequency sounds (+13%) to achieve rich, dynamic bass.

* Only PZ800 Full-High Definition Series

Digital Optimiser

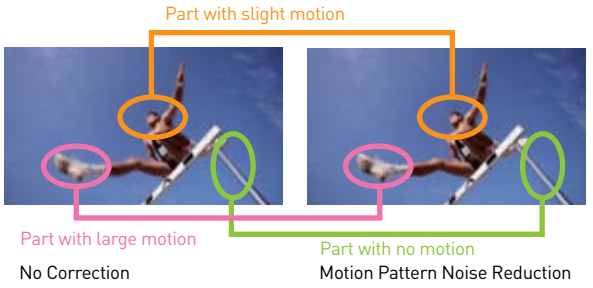


A digital noise detection circuit detects the areas and amounts of noise in each scene, and then applies the optimal noise reduction to combat it. All types of images come through noise-free.

* Only PZ/PX Series

All of these images are simulated are for reference only

Motion Pattern Noise Reduction



No Correction

Motion Pattern Noise Reduction

This function clearly reproduces even high-speed motion images by maximising the superb gradation capability of the plasma TV. Motion Pattern Noise Reduction detects motion patterns that tend to generate noise, and makes the necessary adjustments to maximise image quality.

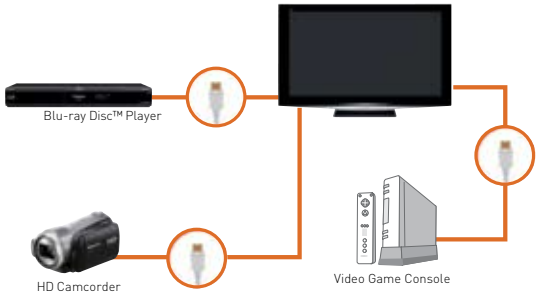
* Only PZ/PX Series

All of these images are simulated and for reference only

User-Friendly Design

Various Terminals

【Three HDMI Inputs】



For future expandability and easy use, VIERA comes equipped with three HDMI connector slots, one on the front and two on the rear.

* Only PZ800, PX80, and LZD800 Series
** LZD850 Series features 4 HDMI Inputs

【PC Input】

VIERA is also equipped with a PC input terminal. For business users, the PC input lets you take advantage of VIERA's big screen and exceptional viewing quality in presentations and training programs.

Remote Control

The remote control unit is rounded to fit comfortably in your hand. The buttons are large, easy to press, and laid out for optimum ease of use. The buttons also have colours and markings that make them easy for anyone to identify and use.

* Pictured remote control for LZD850 Series

Design Concept : Horizontal Arch

A surface as flat as a serene, midnight lake.
A shape with the sensitivity of a mid-city art gallery.
An ornamental motif that arcs gracefully, like the horizon.

Thin, light and wide.
Based on these three key words, this design combines functional beauty with formative art to harmonise with virtually any interior space.

Borderless Design Model

The arched trim that flows smoothly from the centre to both ends creates a feeling of visual expansiveness.

VIERA

Living with VIERA

Each individual is different - in lifestyle and taste - and there is a VIERA style to reflect these important differences.
The Urban Luxury Style matches lavish city living spaces. The Resort Comfort Style complements relaxed environments surrounded by the sea and sky. The Modern Chic Style creates a high-quality ambience accentuated by steel and glass. And the Smart Contemporary Style fits cozy spaces that are personalised to suit the dweller's taste.
Choose the VIERA that suits your sensitivity and matches your living space.

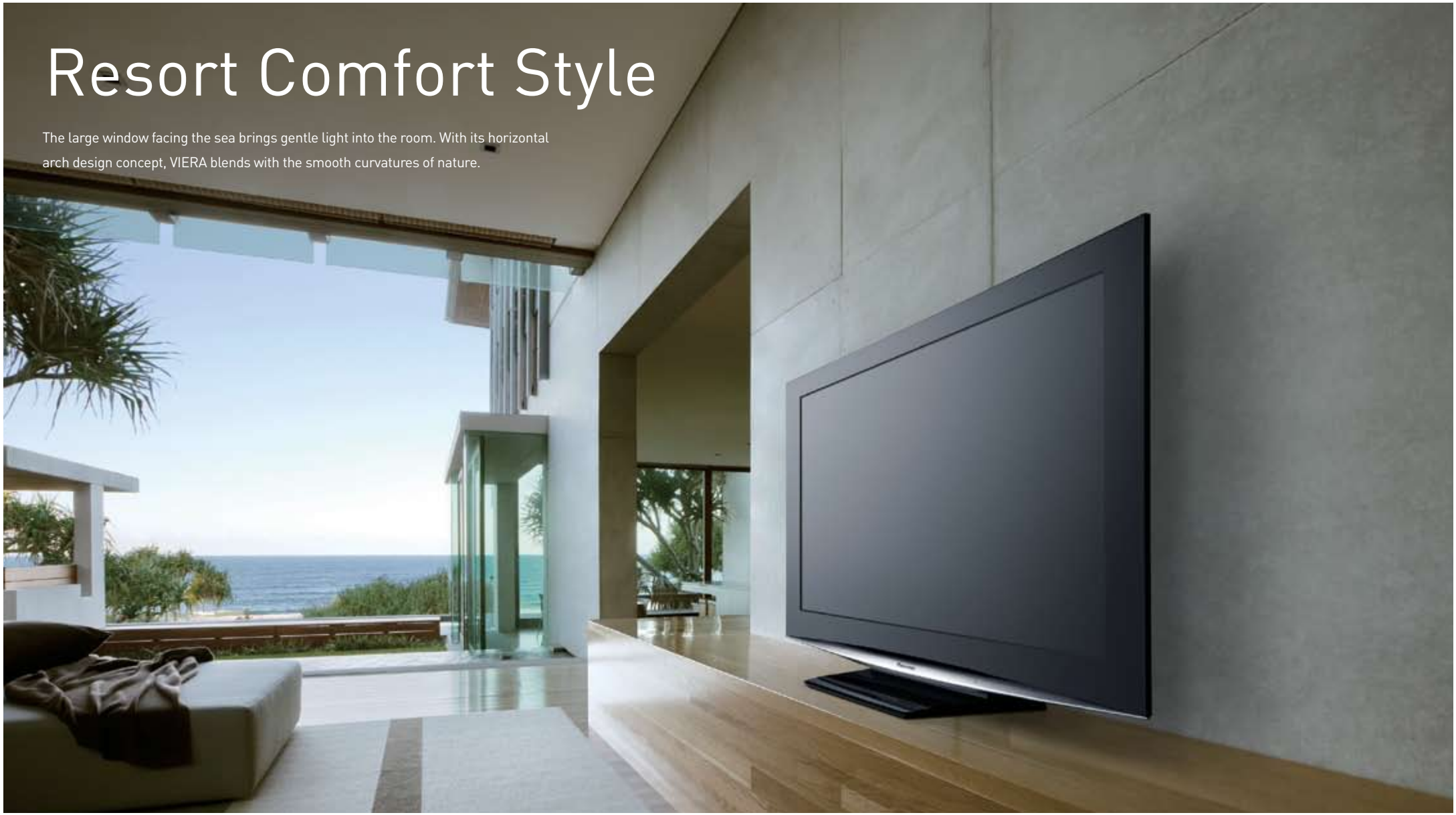
a : TH-50PZ800A
b : TH-50PZ800A
c : TX-37LZD800A
d : TX-37LZD850A

Urban Luxury Style

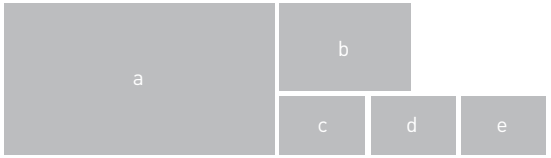
A spacious room with minimal furniture is a luxury for people living in crowded cities. VIERA harmonizes well with high-quality living spaces like these.

Resort Comfort Style

The large window facing the sea brings gentle light into the room. With its horizontal arch design concept, VIERA blends with the smooth curvatures of nature.



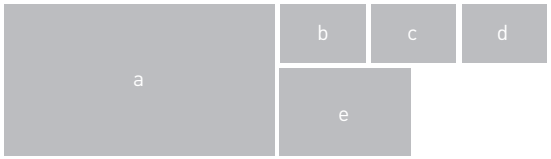
a : TH-50PZ800A
b : TX-37LXD80A
c : TH-50PZ800A
d : TH-50PZ800A
e : TH-42PX80A



Smart Contemporary Style

The good taste of the owner is attractively reflected in room decor.
VIERA plays an important role in creating this design-conscious
interior with its combination of power and subtle beauty.

a : TH-50PZ800A
b : TX-37LXD80A
c : TX-37LXD80A
d : TH-50PZ800A
e : TH-42PX80A



VIERA Flat Panel Television Line Up

Plasma

PZ800 Series

TH-50PZ800A available August 2008

PX80 Series

PX8 Series

VIERA

LCD

LZD850 Series

LZD800 Series

LXD80 Series

TX-32LXD80A available August 2008

VIERA PLASMA LINE UP

PZ800 Series

TH-50PZ800A 50"/127cm Full-HD Plasma TV*
TH-46PZ800A 46"/116cm Full-HD Plasma TV
TH-42PZ800A 42"/106cm Full-HD Plasma TV

Viera Technology for Ultimate High Picture Quality

- Full-HD Progressive Plasma Panel (1920 x 1080 pixels)
- Integrated HD Digital DVB-T Tuner
- 1080p Digital Processing Chip-Set
- 16 Bit Signal Processing
- Max. 1,000,000:1 Contrast (30,000:1 Native)
- 5,120 Equivalent Steps of Gradation
- 134 Billion Viewable Colours
- 100Hz Double Scan Technology
- Sub-Pixel Controller
- Intelligent Frame Creation
- 24p Real Cinema
- x.v.Colour*1

Other Features

- VIERA Link*2
- SD Card Slot for JPEG Photo Viewing
- 100,000 Hours Long Life Panel*3
- 3 x HDMI Input (1-Front)
- PC Input
- Swivel Stand
- 7 Day Electronic Program Guide Compatible

FULL HD 1920×1080p

CERTIFIED HD DIGITAL TV

SDHC | PC Input | HDMI Input x3 | VIERA Link

*TH-50PZ800A available August 2008

PX80 Series

TH-50PX80A 50"/127cm HD Plasma TV
TH-42PX80A 42"/106cm HD Plasma TV

Viera Technology for Ultimate High Picture Quality

- HD Progressive Plasma Panel (50" - 1366 x 768 pixels, 42" - 1024 x 768 pixels)
- Integrated HD Digital DVB-T Tuner
- 16 Bit Signal Processing
- Max. 1,000,000:1 Contrast (15,000:1 Native)
- 4,096 Equivalent Steps of Gradation
- 68.7 Billion Viewable Colours
- 100Hz Double Scan Technology
- Sub-Pixel Controller
- Advanced Colour Management
- 24p Input

Other Features

- VIERA Link*2
- SD Card Slot for JPEG Photo Viewing
- 100,000 Hours Long Life Panel*3
- 3 x HDMI Input (1-Front)
- PC Input
- 7 Day Electronic Program Guide Compatible

CERTIFIED HD DIGITAL TV

SDHC | PC Input | HDMI Input x3 | VIERA Link

*1 x.v.Colour is a registered trademark. *2 Not all 2008 Viera Link Functions are compatible with all 2006/2007 Viera Link Products. *3 This measurement is based on the time taken for the brightness of the panel to reduce to half of its initial maximum level. The time taken to reach this level may vary depending on the image content and the environment where the TV is used. Image retention and malfunctions are not taken into account.

VIERA

PX8 Series

TH-42PX8A 42"/106cm HD Plasma TV

Viera Technology for Ultimate High Picture Quality

- HD Progressive Plasma Panel (1024 x 768 pixels)
- Integrated HD Digital DVB-T Tuner
- 16 Bit Signal Processing
- Max. 1,000,000:1 Contrast (15,000:1 Native)
- 4,096 Equivalent Steps of Gradation
- 68.7 Billion Viewable Colours
- 100Hz Double Scan Technology
- Sub-Pixel Controller
- Advanced Colour Management
- 24p Input

Other Features

- VIERA Link*[2]
- 100,000 Hours Long Life Panel*[3]
- 2 x HDMI Input
- PC Input
- 7 Day Electronic Program Guide Compatible

CERTIFIED HD DIGITAL TV

PC Input | HDMI Input x2 | VIERA Link

VIERA LCD LINE UP

LZD850 Series

TX-37LZD850A 37"/94cm Full-HD LCD TV

Viera Technology for Ultimate High Picture Quality

- Full-HD Progressive LCD Panel (1920 x 1080 pixels)
- Integrated HD Digital DVB-T Tuner
- 1080p Digital Processing Chip-Set
- Max. 10,000:1 Contrast
- 100Hz Motion Picture Pro 2 Technology
- In-Plane Switching (IPS) Alpha Panel
- 178° Viewing Angle
- Ultra-Clear Panel for Ultimate Picture Sharpness
- Sub-Pixel Controller
- Intelligent Scene Controller
- 24p Input
- x.v.Colour*1

Other Features

- VIERA Link*2
- SD Card Slot for JPEG Photo Viewing
- 4 x HDMI Input (1-Side)
- PC Input
- Swivel Stand
- 7 Day Electronic Program Guide Compatible

LZD800 Series

TX-37LZD800A 37"/94cm Full-HD LCD TV
TX-32LZD800A 32"/80cm Full-HD LCD TV

Viera Technology for Ultimate High Picture Quality

- Full-HD Progressive LCD Panel (1920 x 1080 pixels)
- Integrated HD Digital DVB-T Tuner
- 1080p Digital Processing Chip-Set
- Max. 10,000:1 Contrast
- 100Hz Motion Picture Pro 2 Technology
- In-Plane Switching (IPS) Alpha Panel
- 178° Viewing Angle
- Sub-Pixel Controller
- Intelligent Scene Controller
- 24p Input

Other Features

- VIERA Link*2
- SD Card Slot for JPEG Photo Viewing
- 3 x HDMI Input (1-Side)
- PC Input
- Swivel Stand
- 7 Day Electronic Program Guide Compatible

*1 x.v.Colour is a registered trademark. *2 Not all 2008 Viera Link Functions are compatible with all 2006/2007 Viera Link Products.

VIERA

LXD80 Series

TX-37LXD80A 37”/94cm HD LCD TV
TX-32LXD80A 32”/80cm HD LCD TV*

Viera Technology for Ultimate High Picture Quality

- HD Progressive LCD Panel (1366 x 768 pixels)
- Integrated HD Digital DVB-T Tuner
- Max. 10,000:1 Contrast
- In-Plane Switching (IPS) Alpha Panel
- 178º Viewing Angle
- Sub-Pixel Controller
- Intelligent Scene Controller

Other Features

- VIERA Link*2
- SD Card Slot for JPEG Photo Viewing
- 2 x HDMI Input
- PC Input
- 7 Day Electronic Program Guide Compatible

CERTIFIED HD DIGITAL TV

PC Input | HDMI Input x2 | VIERA Link

*TX-32LXD80A available August 2008

VIERA Plasma - Digital Television

			TH-50PZ800A	TH-46PZ800A	TH-42PZ800A
Picture	Diagonal Screen Size		127cm / 50"	116cm / 46"	106cm / 42"
	Screen Aspect Ratio		16:9 Widescreen	16:9 Widescreen	16:9 Widescreen
	Screen Display Type		G11 Progressive Scan FHD (1920x1080) Plasma Display	G11 Progressive Scan FHD (1920x1080) Plasma Display	G11 Progressive Scan FHD (1920x1080) Plasma Display
	Anti-Reflective Filter		Yes	Yes	Yes
	Contrast Ratio (in dark surroundings)	Native	30,000:1	30,000:1	30,000:1
		Dynamic	1,000,000:1	1,000,000:1	1,000,000:1
	Moving Picture Resolution		Over 900 lines	Over 900 lines	Over 900 lines
	Shades of Gradation		5,120 equivalent steps of gradation	5,120 equivalent steps of gradation	5,120 equivalent steps of gradation
	Picture Enhancements		Intelligent Frame Creation, 24p Real Cinema Playback, Digital Optimiser, 3D Colour Management, Sub-Pixel Control, Motion Pattern Noise Reduction, C.A.T.S (Contrast Tracking System), Video Noise Reduction	Intelligent Frame Creation, 24p Real Cinema Playback, Digital Optimiser, 3D Colour Management, Sub-Pixel Control, Motion Pattern Noise Reduction, C.A.T.S (Contrast Tracking System), Video Noise Reduction	Intelligent Frame Creation, 24p Real Cinema Playback, Digital Optimiser, 3D Colour Management, Sub-Pixel Control, Motion Pattern Noise Reduction, C.A.T.S (Contrast Tracking System), Video Noise Reduction
	Picture Viewing Modes		Dynamic, Normal, Cinema, Eco	Dynamic, Normal, Cinema, Eco	Dynamic, Normal, Cinema, Eco
	Component (YPbPr) / HDMI Video Input Formats		480i/480p(60Hz); 576i/576p(50Hz); 720p(50/60Hz); 1080i(50/60Hz); 1080p(24/50/60Hz) - HDMI only.	480i/480p(60Hz); 576i/576p(50Hz); 720p(50/60Hz); 1080i(50/60Hz); 1080p(24/50/60Hz) - HDMI only.	480i/480p(60Hz); 576i/576p(50Hz); 720p(50/60Hz); 1080i(50/60Hz); 1080p(24/50/60Hz) - HDMI only.
	PC Video Input Signals (VGA 15 Pin D-Sub)		640x400@70Hz; 640x480@60/66/75Hz; 800x600@60/75/85Hz; 832x624@75Hz; 852x480@60Hz; 1024x768@60/70/75/85Hz; 1152x870@75Hz; 1280x1024@60Hz; 1366x768@60Hz	640x400@70Hz; 640x480@60/66/75Hz; 800x600@60/75/85Hz; 832x624@75Hz; 852x480@60Hz; 1024x768@60/70/75/85Hz; 1152x870@75Hz; 1280x1024@60Hz; 1366x768@60Hz	640x400@70Hz; 640x480@60/66/75Hz; 800x600@60/75/85Hz; 832x624@75Hz; 852x480@60Hz; 1024x768@60/70/75/85Hz; 1152x870@75Hz; 1280x1024@60Hz; 1366x768@60Hz
	PC Video Adjustment Controls		Red & Blue White Balance, Gamma, H-Position, V-Position, Video Sync:H&V/SOG	Red & Blue White Balance, Gamma, H-Position, V-Position, Video Sync:H&V/SOG	Red & Blue White Balance, Gamma, H-Position, V-Position, Video Sync:H&V/SOG
	Aspect Ratio Control		16:9, 14:9, Just, 4:3, 4:3 Full, Zoom1, Zoom2, Zoom3; DTV: 16:9 & 4:3 Full; PC: 16:9 & 4:3	16:9, 14:9, Just, 4:3, 4:3 Full, Zoom1, Zoom2, Zoom3; DTV: 16:9 & 4:3 Full; PC: 16:9 & 4:3	16:9, 14:9, Just, 4:3, 4:3 Full, Zoom1, Zoom2, Zoom3; DTV: 16:9 & 4:3 Full; PC: 16:9 & 4:3
Digital TV Tuner	Integrated SD/HD DTV Tuner		Yes	Yes	Yes
	DTV System		DVB-T	DVB-T	DVB-T
	Tuning Channel Plan		7MHz VHF/UHF Australia	7MHz VHF/UHF Australia	7MHz VHF/UHF Australia
	DTV Video		MPEG2 SD/HD	MPEG2 SD/HD	MPEG2 SD/HD
	DTV Audio		Dolby Digital / MPEG1-L2	Dolby Digital / MPEG1-L2	Dolby Digital / MPEG1-L2
	DTV Features (* when broadcast)		7 Day Electronic Program Guide (EPG)*; Now & Next program Information*; Teletext Sub-titles*; 4x user defined DTV Favourite Channel lists	7 Day Electronic Program Guide (EPG)*; Now & Next program Information*; Teletext Sub-titles*; 4x user defined DTV Favourite Channel lists	7 Day Electronic Program Guide (EPG)*; Now & Next program Information*; Teletext Sub-titles*; 4x user defined DTV Favourite Channel lists
Analogue TV Tuner	Integrated Analogue Tuner		Yes	Yes	Yes
	Analogue TV System		PAL B/G	PAL B/G	PAL B/G
	Tuning Channel Plan		7MHz VHF/UHF Australia	7MHz VHF/UHF Australia	7MHz VHF/UHF Australia
	CATV Compatability		Hyper-band	Hyper-band	Hyper-band
	Stereo Reception		German 2CS (A2)	German 2CS (A2)	German 2CS (A2)
	Teletext		2000p Level 2.5 Fastext/List/Top	2000p Level 2.5 Fastext/List/Top	2000p Level 2.5 Fastext/List/Top
Sound	Speakers		2x Full Range (160mm x 42mm)	2x Full Range (160mm x 42mm)	2x Full Range (160mm x 42mm)
	Audio Power Output (10% THD)		20W RMS Total (2 x 10W)	20W RMS Total (2 x 10W)	20W RMS Total (2 x 10W)
	Headphone Socket		3.5mm Stereo Jack	3.5mm Stereo Jack	3.5mm Stereo Jack
	Sound Modes		Music, Speech	Music, Speech	Music, Speech
	BBE ViVA HD3D Surround Sound		Yes	Yes	Yes
	Surround Sound Modes		Off, Simulated Surround, BBE ViVA	Off, Simulated Surround, BBE ViVA	Off, Simulated Surround, BBE ViVA
Connectivity	HDMI Inputs (v1.3 / HDCP / x.v.Colour)		2x Rear, 1x Front	2x Rear, 1x Front	2x Rear, 1x Front
	Component (YPbPr) Video / L & R Audio Inputs		2x Rear	2x Rear	2x Rear
	S-Video (Y/C) / L & R Audio Inputs		1x Rear, 1x Front	1x Rear, 1x Front	1x Rear, 1x Front
	Video (CVBS) / L & R Audio Inputs		3x Rear, 1x Front	3x Rear, 1x Front	3x Rear, 1x Front
	PC Input (VGA 15 Pin D-Sub) / L & R Audio Input		1x Rear	1x Rear	1x Rear
	Headphone out (3.5mm Stereo)		1x Front	1x Front	1x Front
	Monitor Out - Video (CVBS) / L & R Audio		1x Rear	1x Rear	1x Rear
	Optical S/PDIF Digital Audio Out (DTV only)		1x Rear	1x Rear	1x Rear
	SDHC Memory Card Slot		1x Front	1x Front	1x Front
Features	SDHC Memory Card Playback Formats		JPEG Photos	JPEG Photos	JPEG Photos
	Viera Link		Yes	Yes	Yes
	Multi-Window		Picture & Teletext	Picture & Teletext	Picture & Teletext
	24p input via HDMI		Yes	Yes	Yes
	Power Off Timer		Yes	Yes	Yes
	Remote Control		Standard	Standard	Standard
	Swivel Stand Angle		+/- 10°	+/- 10°	+/- 10°
	User Definable A/V Input Labels		Yes	Yes	Yes
Weights & Measures	AC Power Input		220-240 VAC 50/60Hz	220-240 VAC 50/60Hz	220-240 VAC 50/60Hz
	Power Consumption (Rated)		555W	515W	475W
	Power Consumption (Normal*)		383W	331W	278W
	Standby Power Consumption		0.4W	0.4W	0.4W
	Operating Temperature Range		0°C - 35°C	0°C - 35°C	0°C - 35°C
	Dimensions with Pedestal Stand (WxHxD)		1,254 x 832 x 387 (mm)	1,168 x 787 x 387 (mm)	1,064 x 716 x 327 (mm)
	Dimensions without Pedestal Stand (WxHxD)		1,254 x 779 x 85 (mm)	1,168 x 735 x 85 (mm)	1,064 x 668 x 85 (mm)
	Weight with Pedestal Stand		42Kg	39Kg	33Kg
	Weight without Pedestal Stand		37Kg	34Kg	29Kg
	Shipping Weight (TV+Stand) / Carton Size (WxHxD)		50 Kg / 1,384 x 916 x 334 (mm)	47Kg / 1,298 x 875 x 334 (mm)	40Kg / 1,194 x 811 x 334 (mm)
	Wallmount fixing points (WxH) / Thread Type		660 x 320 (mm) / M8	660 x 320 (mm) / M8	660 x 320 (mm) / M8

* Based on 'Normal' picture viewing mode using draft IEC62087 (2nd Edition) test method.
Specifications subject to change without notice v1.3 13MAY08

Specifications

			TH-50PX80A	TH-42PX80A	TH-42PX8A
Picture	Diagonal Screen Size		127cm / 50"	106cm / 42"	106cm / 42"
	Screen Aspect Ratio		16:9 Widescreen	16:9 Widescreen	16:9 Widescreen
	Screen Display Type		G11 Progressive Scan HD (1366x768) Plasma Display	G11 Progressive Scan HD (1024x768) Plasma Display	G11 Progressive Scan HD (1024x768) Plasma Display
	Anti-Reflective Filter		Yes	Yes	Yes
	Contrast Ratio (in dark surroundings)	Native	15,000:1	15,000:1	15,000:1
		Dynamic	1,000,000:1	1,000,000:1	1,000,000:1
	Moving Picture Resolution		Over 700 lines	Over 700 lines	Over 700 lines
	Shades of Gradation		4,096 equivalent steps of gradation	4,096 equivalent steps of gradation	4,096 equivalent steps of gradation
	Picture Enhancements		24p Playback, Digital Optimiser, 3D Colour Management, Sub-Pixel Control, Motion Pattern Noise Reduction, C.A.T.S (Contrast Tracking System), Video Noise Reduction	24p Playback, Digital Optimiser, 3D Colour Management, Sub-Pixel Control, Motion Pattern Noise Reduction, C.A.T.S (Contrast Tracking System), Video Noise Reduction	24p Playback, Digital Optimiser, 3D Colour Management, Sub-Pixel Control, Motion Pattern Noise Reduction, C.A.T.S (Contrast Tracking System), Video Noise Reduction
	Picture Viewing Modes		Dynamic, Normal, Cinema, Eco	Dynamic, Normal, Cinema, Eco	Dynamic, Normal, Cinema, Eco
	Component (YPbPr) / HDMI Video Input Formats		480i/480p(60Hz); 576i/576p(50Hz); 720p(50/60Hz); 1080i(50/60Hz); 1080p(24/50/60Hz) - HDMI only.	480i/480p(60Hz); 576i/576p(50Hz); 720p(50/60Hz); 1080i(50/60Hz); 1080p(24/50/60Hz) - HDMI only.	480i/480p(60Hz); 576i/576p(50Hz); 720p(50/60Hz); 1080i(50/60Hz); 1080p(24/50/60Hz) - HDMI only.
	PC Video Input Signals (VGA 15 Pin D-Sub)		640x400@70Hz; 640x480@60/66/75Hz; 800x600@60/75/85Hz; 832x624@75Hz; 852x480@60Hz; 1024x768@60/70/75/85Hz; 1152x870@75Hz; 1280x1024@60Hz; 1366x768@60Hz	640x400@70Hz; 640x480@60/66/75Hz; 800x600@60/75/85Hz; 832x624@75Hz; 852x480@60Hz; 1024x768@60/70/75/85Hz; 1152x870@75Hz; 1280x1024@60Hz; 1366x768@60Hz	640x400@70Hz; 640x480@60/66/75Hz; 800x600@60/75/85Hz; 832x624@75Hz; 852x480@60Hz; 1024x768@60/70/75/85Hz; 1152x870@75Hz; 1280x1024@60Hz; 1366x768@60Hz
	PC Video Adjustment Controls		Red & Blue White Balance, Gamma, H-Position, V-Position, Video Sync:H&V/SOG	Red & Blue White Balance, Gamma, H-Position, V-Position, Video Sync:H&V/SOG	Red & Blue White Balance, Gamma, H-Position, V-Position, Video Sync:H&V/SOG
	Aspect Ratio Control		16:9, 14:9, Just, 4:3, 4:3 Full, Zoom1, Zoom2, Zoom3; DTV: 16:9 & 4:3 Full; PC: 16:9 & 4:3	16:9, 14:9, Just, 4:3, 4:3 Full, Zoom1, Zoom2, Zoom3; DTV: 16:9 & 4:3 Full; PC: 16:9 & 4:3	16:9, 14:9, Just, 4:3, 4:3 Full, Zoom1, Zoom2, Zoom3; DTV: 16:9 & 4:3 Full; PC: 16:9 & 4:3
Digital TV Tuner	Integrated SD/HD DTV Tuner		Yes	Yes	Yes
	DTV System		DVB-T	DVB-T	DVB-T
	Tuning Channel Plan		7MHz VHF/UHF Australia	7MHz VHF/UHF Australia	7MHz VHF/UHF Australia
	DTV Video		MPEG2 SD/HD	MPEG2 SD/HD	MPEG2 SD/HD
	DTV Audio		Dolby Digital / MPEG1-L2	Dolby Digital / MPEG1-L2	Dolby Digital / MPEG1-L2
	DTV Features (* when broadcast)		7 Day Electronic Program Guide (EPG)*; Now & Next program Information*; Teletext Sub-titles*; 4x user defined DTV Favourite Channel lists	7 Day Electronic Program Guide (EPG)*; Now & Next program Information*; Teletext Sub-titles*; 4x user defined DTV Favourite Channel lists	7 Day Electronic Program Guide (EPG)*; Now & Next program Information*; Teletext Sub-titles*; 4x user defined DTV Favourite Channel lists
Analogue TV Tuner	Integrated Analogue Tuner		Yes	Yes	Yes
	Analogue TV System		PAL B/G	PAL B/G	PAL B/G
	Tuning Channel Plan		7MHz VHF/UHF Australia	7MHz VHF/UHF Australia	7MHz VHF/UHF Australia
	CATV Compatability		Hyper-band	Hyper-band	Hyper-band
	Stereo Reception		German 2CS (A2)	German 2CS (A2)	German 2CS (A2)
	Teletext		2000p Level 2.5 Fastext/List/Top	2000p Level 2.5 Fastext/List/Top	2000p Level 2.5 Fastext/List/Top
Sound	Speakers		2x Full Range (160mm x 42mm)	2x Full Range (160mm x 42mm)	2x Full Range (160mm x 42mm)
	Audio Power Output (10% THD)		20W RMS Total (2 x 10W)	20W RMS Total (2 x 10W)	20W RMS Total (2 x 10W)
	Headphone Socket		3.5mm Stereo Jack	3.5mm Stereo Jack	3.5mm Stereo Jack
	Sound Modes		Music, Speech	Music, Speech	Music, Speech
	BBE ViVA HD3D Surround Sound		-	-	-
	Surround Sound Modes		Off, Simulated Surround	Off, Simulated Surround	Off, Simulated Surround
Connectivity	HDMI Inputs (v1.2 / HDCP)		2x Rear, 1x Front	2x Rear, 1x Front	2x Rear
	Component (YPbPr) Video / L & R Audio Inputs		2x Rear	2x Rear	2x Rear
	S-Video (Y/C) / L & R Audio Inputs		1x Rear, 1x Front	1x Rear, 1x Front	1x Rear, 1x Front
	Video (CVBS) / L & R Audio Inputs		3x Rear, 1x Front	3x Rear, 1x Front	3x Rear, 1x Front
	PC Input (VGA 15 Pin D-Sub) / L & R Audio Input		1x Rear	1x Rear	1x Rear
	Headphone out (3.5mm Stereo)		1x Front	1x Front	1x Front
	Monitor Out - Video (CVBS) / L & R Audio		1x Rear	1x Rear	1x Rear
	Optical S/PDIF Digital Audio Out (DTV only)		1x Rear	1x Rear	1x Rear
	SDHC Memory Card Slot		1x Front	1x Front	-
Features	SDHC Memory Card Playback Formats		JPEG Photos	JPEG Photos	-
	Viera Link		Yes	Yes	Yes
	Multi-Window		Picture & Teletext	Picture & Teletext	Picture & Teletext
	24p input via HDMI		Yes	Yes	Yes
	Power Off Timer		Yes	Yes	Yes
	Remote Control		Standard	Standard	Standard
	Swivel Stand Angle		-	-	-
	User Definable A/V Input Labels		Yes	Yes	Yes
Weights & Measures	AC Power Input		220-240 VAC 50/60Hz	220-240 VAC 50/60Hz	220-240 VAC 50/60Hz
	Power Consumption (Rated)		500W	335W	335W
	Power Consumption (Normal*)		299W	217W	217W
	Standby Power Consumption		0.5W	0.7W	0.7W
	Operating Temperature Range		0°C - 35°C	0°C - 35°C	0°C - 35°C
	Dimensions with Pedestal Stand (WxHxD)		1,210 x 844 x 387 (mm)	1,020 x 727 x 327 (mm)	1,020 x 727 x 327 (mm)
	Dimensions without Pedestal Stand (WxHxD)		1,210 x 791 x 95 (mm)	1,020 x 679 x 95 (mm)	1,020 x 679 x 95 (mm)
	Weight with Pedestal Stand		38Kg	28Kg	28Kg
	Weight without Pedestal Stand		36Kg	26Kg	26Kg
	Shipping Weight (TV+Stand) / Carton Size (WxHxD)		45Kg / 1,339 x 920 x 334 (mm)	35Kg / 1,149 x 808 x 334 (mm)	35Kg / 1,149 x 808 x 334 (mm)
	Wallmount fixing points (WxH) / Thread Type		660 x 320 (mm) / M8	660 x 320 (mm) / M8	660 x 320 (mm) / M8

* Based on 'Normal' picture viewing mode using draft IEC62087 (2nd Edition) test method.
Specifications subject to change without notice v1.3 13MAY08

VIERA LCD - Digital Televisions

		TX-37LZD850A	TX-37LZD800A	TX-32LZD800A
Picture	Diagonal Screen Size	97cm / 37"	97cm / 37"	80cm / 32"
	Screen Aspect Ratio	16:9 Widescreen	16:9 Widescreen	16:9 Widescreen
	Screen Display Type	IPS-alpha Full-HD (1920x1080) Progressive Scan LCD Panel	IPS-alpha Full-HD (1920x1080) Progressive Scan LCD Panel	IPS-alpha Full-HD (1920x1080) Progressive Scan LCD Panel
	Response Time	8ms	8ms	8ms
	Clear Panel	Yes	-	-
	Contrast Ratio (Dynamic)	10,000:1	10,000:1	10,000:1
	100Hz Motion Picture Pro	Yes	Yes	Yes
	Motion Focus Technology	Yes	Yes	Yes
	Picture Enhancements	Intelligent Scene Controller, 24p Film / Playback, 3D Colour Management, Sub-Pixel Control, C.A.T.S (Contrast Tracking System), Video Noise Reduction	Intelligent Scene Controller, 24p Film / Playback, 3D Colour Management, Sub-Pixel Control, C.A.T.S (Contrast Tracking System), Video Noise Reduction	Intelligent Scene Controller, 24p Film / Playback, 3D Colour Management, Sub-Pixel Control, C.A.T.S (Contrast Tracking System), Video Noise Reduction
	Picture Viewing Modes	Dynamic, Normal, Cinema, Eco	Dynamic, Normal, Cinema, Eco	Dynamic, Normal, Cinema, Eco
	Component (YPbPr) / HDMI Video Input Formats	480i/480p(60Hz); 576i/576p(50Hz); 720p(50/60Hz); 1080i(50/60Hz); 1080p(24/50/60Hz) - HDMI only.	480i/480p(60Hz); 576i/576p(50Hz); 720p(50/60Hz); 1080i(50/60Hz); 1080p(24/50/60Hz) - HDMI only.	480i/480p(60Hz); 576i/576p(50Hz); 720p(50/60Hz); 1080i(50/60Hz); 1080p(24/50/60Hz) - HDMI only.
	PC Video Input Signals (VGA 15 Pin D-Sub)	640x400@70Hz; 640x480@60/66/75Hz; 800x600@60/75/85Hz; 832x624@75Hz; 852x480@60Hz; 1024x768@60/70/75/85Hz; 1152x870@75Hz; 1280x1024@60Hz; 1366x768@60Hz	640x400@70Hz; 640x480@60/66/75Hz; 800x600@60/75/85Hz; 832x624@75Hz; 852x480@60Hz; 1024x768@60/70/75/85Hz; 1152x870@75Hz; 1280x1024@60Hz; 1366x768@60Hz	640x400@70Hz; 640x480@60/66/75Hz; 800x600@60/75/85Hz; 832x624@75Hz; 852x480@60Hz; 1024x768@60/70/75/85Hz; 1152x870@75Hz; 1280x1024@60Hz; 1366x768@60Hz
	PC Video Adjustment Controls	Red & Blue White Balance, Gamma, H-Position, V-Position, Video Sync:H&V/SOG	Red & Blue White Balance, Gamma, H-Position, V-Position, Video Sync:H&V/SOG	Red & Blue White Balance, Gamma, H-Position, V-Position, Video Sync:H&V/SOG
	Aspect Ratio Control	16:9, 14:9, Just, 4:3, 4:3 Full, Zoom1, Zoom2, Zoom3; DTV: 16:9 & 4:3 Full; PC: 16:9 & 4:3	16:9, 14:9, Just, 4:3, 4:3 Full, Zoom1, Zoom2, Zoom3; DTV: 16:9 & 4:3 Full; PC: 16:9 & 4:3	16:9, 14:9, Just, 4:3, 4:3 Full, Zoom1, Zoom2, Zoom3; DTV: 16:9 & 4:3 Full; PC: 16:9 & 4:3
Digital TV Tuner	Integrated SD/HD DTV Tuner	Yes	Yes	Yes
	DTV System	DVB-T	DVB-T	DVB-T
	Tuning Channel Plan	7MHz VHF/UHF Australia	7MHz VHF/UHF Australia	7MHz VHF/UHF Australia
	DTV Video	MPEG2 SD/HD	MPEG2 SD/HD	MPEG2 SD/HD
	DTV Audio	Dolby Digital / MPEG1-L2	Dolby Digital / MPEG1-L2	Dolby Digital / MPEG1-L2
	DTV Features (* when broadcast)	7 Day Electronic Program Guide (EPG)*; Now & Next program Information*; Teletext Sub-titles*; 4x user defined DTV Favourite Channel lists	7 Day Electronic Program Guide (EPG)*; Now & Next program Information*; Teletext Sub-titles*; 4x user defined DTV Favourite Channel lists	7 Day Electronic Program Guide (EPG)*; Now & Next program Information*; Teletext Sub-titles*; 4x user defined DTV Favourite Channel lists
Analogue TV Tuner	Integrated Analogue Tuner	Yes	Yes	Yes
	Analogue TV System	PAL B/G	PAL B/G	PAL B/G
	Tuning Channel Plan	7MHz VHF/UHF Australia	7MHz VHF/UHF Australia	7MHz VHF/UHF Australia
	CATV Compatability	Hyper-band	Hyper-band	Hyper-band
	Stereo Reception	German 2CS (A2)	German 2CS (A2)	German 2CS (A2)
	Teletext	2000p Level 2.5 Fastext/List/Top	2000p Level 2.5 Fastext/List/Top	2000p Level 2.5 Fastext/List/Top
Sound	Speakers	2x Woofer (120mm x 60mm), 2x Tweeter (23mm x 100mm)	2x Full Range (160mm x 42mm)	2x Full Range (160mm x 42mm)
	Audio Power Output (10% THD)	20W RMS total; 2x (7.5W+ 2.5W)	20W RMS Total (2 x 10W)	20W RMS Total (2 x 10W)
	Headphone Socket	3.5mm Stereo Jack	3.5mm Stereo Jack	3.5mm Stereo Jack
	Sound Modes	Music, Speech	Music, Speech	Music, Speech
	SRS TruSurround XT Surround Sound	Yes	-	-
	Surround Sound Modes	Off, Simulated Surround, SRS TruSurround XT	Off, Simulated Surround	Off, Simulated Surround
Connectivity	HDMI Inputs (v1.3 / HDCP / x.v.Colour)	3x Rear, 1x Side	-	-
	HDMI Inputs (v1.2 / HDCP)	-	2x Rear, 1x Side	2x Rear, 1x Side
	Component (YPbPr) Video / L & R Audio Inputs	2x Rear	2x Rear	2x Rear
	S-Video (Y/C) / L & R Audio Inputs	1x Rear, 1x Side	1x Rear, 1x Side	1x Rear, 1x Side
	Video (CVBS) / L & R Audio Inputs	3x Rear, 1x Side	3x Rear, 1x Side	3x Rear, 1x Side
	PC Input (VGA 15 Pin D-Sub) / L & R Audio Input	1x Rear	1x Rear	1x Rear
	Headphone out (3.5mm Stereo)	1x Side	1x Side	1x Side
	Monitor Out - Video (CVBS) / L & R Audio	1x Rear	1x Rear	1x Rear
	Optical S/PDIF Digital Audio Out (DTV only)	1x Rear	1x Rear	1x Rear
	SDHC Memory Card Slot	1x Side	1x Side	1x Side
Features	SDHC Memory Card Playback Formats	JPEG Photos	JPEG Photos	JPEG Photos
	Viera Link	Yes	Yes	Yes
	Multi-Window	Picture & Teletext	Picture & Teletext	Picture & Teletext
	24p input via HDMI	Yes	Yes	Yes
	Power Off Timer	Yes	Yes	Yes
	Remote Control	Deluxe	Standard	Standard
	Swivel Stand Angle	+/- 15°	+/- 15°	+/- 15°
	User Definable A/V Input Labels	Yes	Yes	Yes
Weights & Measures	AC Power Input	220-240 VAC 50/60Hz	220-240 VAC 50/60Hz	220-240 VAC 50/60Hz
	Power Consumption (Rated)	196W	191W	152W
	Power Consumption (Normal*)	152W	150W	130W
	Standby Power Consumption	0.3W	0.3W	0.3W
	Operating Temperature Range	0°C - 35°C	0°C - 35°C	0°C - 35°C
	Dimensions with Pedestal Stand (WxHxD)	961 x 655 x 295 (mm)	933 x 650 x 295 (mm)	821 x 580 x 255 (mm)
	Dimensions without Pedestal Stand (WxHxD)	961 x 613 x 107 (mm)	933 x 608 x 105 (mm)	821 x 539 x 98 (mm)
	Weight with Pedestal Stand	22.5Kg	23Kg	18.5Kg
	Shipping Weight (TV+Stand) / Carton Size (WxHxD)	27Kg / 1,050 x 766 x 381 (mm)	27Kg / 1,050 x 766 x 381 (mm)	23Kg / 916 x 691 x 290 (mm)
	Wallmount fixing points (WxH) / Thread Type	200 x 200 (mm) / M6	200 x 200 (mm) / M6	200 x 100 (mm) / M4

* Based on 'Normal' picture viewing mode using draft IEC62087 (2nd Edition) test method.
Specifications subject to change without notice v1.2 7MAY08

Specifications

		TX-37LXD80A	TX-32LXD80A
Picture	Diagonal Screen Size	97cm / 37"	80cm / 32"
	Screen Aspect Ratio	16:9 Widescreen	16:9 Widescreen
	Screen Display Type	IPS-alpha HD (1366x768) Progressive Scan LCD Panel	IPS-alpha HD (1366x768) Progressive Scan LCD Panel
	Response Time	8ms	8ms
	Clear Panel	-	-
	Contrast Ratio (Dynamic)	10,000:1	10,000:1
	100Hz Motion Picture Pro	-	-
	Motion Focus Technology	-	-
	Picture Enhancements	Intelligent Scene Controller, 24p Playback, 3D Colour Management, Sub-Pixel Control, C.A.T.S (Contrast Tracking System), Video Noise Reduction	Intelligent Scene Controller, 24p Playback, 3D Colour Management, Sub-Pixel Control, C.A.T.S (Contrast Tracking System), Video Noise Reduction
	Picture Viewing Modes	Dynamic, Normal, Cinema, Eco	Dynamic, Normal, Cinema, Eco
	Component (YPbPr) / HDMI Video Input Formats	480i/480p(60Hz); 576i/576p(50Hz); 720p(50/60Hz); 1080i(50/60Hz); 1080p(24/50/60Hz) - HDMI only.	480i/480p(60Hz); 576i/576p(50Hz); 720p(50/60Hz); 1080i(50/60Hz); 1080p(24/50/60Hz) - HDMI only.
	PC Video Input Signals (VGA 15 Pin D-Sub)	640x400@70Hz; 640x480@60/66/75Hz; 800x600@60/75/85Hz; 832x624@75Hz; 852x480@60Hz; 1024x768@60/70/75/85Hz; 1152x870@75Hz; 1280x1024@60Hz; 1366x768@60Hz	640x400@70Hz; 640x480@60/66/75Hz; 800x600@60/75/85Hz; 832x624@75Hz; 852x480@60Hz; 1024x768@60/70/75/85Hz; 1152x870@75Hz; 1280x1024@60Hz; 1366x768@60Hz
	PC Video Adjustment Controls	Red & Blue White Balance, Gamma, H-Position, V-Position, Video Sync:H&V/SOG	Red & Blue White Balance, Gamma, H-Position, V-Position, Video Sync:H&V/SOG
	Aspect Ratio Control	16:9, 14:9, Just, 4:3, 4:3 Full, Zoom1, Zoom2, Zoom3; DTV: 16:9 & 4:3 Full; PC: 16:9 & 4:3	16:9, 14:9, Just, 4:3, 4:3 Full, Zoom1, Zoom2, Zoom3; DTV: 16:9 & 4:3 Full; PC: 16:9 & 4:3
Digital TV Tuner	Integrated SD/HD DTV Tuner	Yes	Yes
	DTV System	DVB-T	DVB-T
	Tuning Channel Plan	7MHz VHF/UHF Australia	7MHz VHF/UHF Australia
	DTV Video	MPEG2 SD/HD	MPEG2 SD/HD
	DTV Audio	Dolby Digital / MPEG1-L2	Dolby Digital / MPEG1-L2
	DTV Features (* when broadcast)	7 Day Electronic Program Guide (EPG)*; Now & Next program Information*; Teletext Sub-titles*; 4x user defined DTV Favourite Channel lists	7 Day Electronic Program Guide (EPG)*; Now & Next program Information*; Teletext Sub-titles*; 4x user defined DTV Favourite Channel lists
Analogue TV Tuner	Integrated Analogue Tuner	Yes	Yes
	Analogue TV System	PAL B/G	PAL B/G
	Tuning Channel Plan	7MHz VHF/UHF Australia	7MHz VHF/UHF Australia
	CATV Compatability	Hyper-band	Hyper-band
	Stereo Reception	German 2CS (A2)	German 2CS (A2)
	Teletext	2000p Level 2.5 Fastext/List/Top	2000p Level 2.5 Fastext/List/Top
Sound	Speakers	2x Full Range	2x Full Range
	Audio Power Output (10% THD)	20W RMS Total (2 x 10W)	20W RMS Total (2 x 10W)
	Headphone Socket	3.5mm Stereo Jack	3.5mm Stereo Jack
	Sound Modes	Music, Speech	Music, Speech
	SRS TruSurround XT Surround Sound	-	-
	Surround Sound Modes	Off, Simulated Surround	Off, Simulated Surround
Connectivity	HDMI Inputs (v1.3 / HDCP / x.v.Colour)	-	-
	HDMI Inputs (v1.2 / HDCP)	2x Rear, 1x Side	2x Rear, 1x Side
	Component (YPbPr) Video / L & R Audio Inputs	2x Rear	2x Rear
	S-Video (Y/C) / L & R Audio Inputs	1x Rear, 1x Side	1x Rear, 1x Side
	Video (CVBS) / L & R Audio Inputs	3x Rear, 1x Side	3x Rear, 1x Side
	PC Input (VGA 15 Pin D-Sub) / L & R Audio Input	1x Rear	1x Rear
	Headphone out (3.5mm Stereo)	1x Side	1x Side
	Monitor Out - Video (CVBS) / L & R Audio	1x Rear	1x Rear
	Optical S/PDIF Digital Audio Out (DTV only)	1x Rear	1x Rear
	SDHC Memory Card Slot	1x Side	1x Side
Features	SDHC Memory Card Playback Formats	JPEG Photos	JPEG Photos
	Viera Link	Yes	Yes
	Multi-Window	Picture & Teletext	Picture & Teletext
	24p input via HDMI	Yes	Yes
	Power Off Timer	Yes	Yes
	Remote Control	Standard	Standard
	Swivel Stand Angle	-	-
	User Definable A/V Input Labels	Yes	Yes
Weights & Measures	AC Power Input	220-240 VAC 50/60Hz	220-240 VAC 50/60Hz
	Power Consumption (Rated)	183W	145W
	Power Consumption (Normal*)	142W	111W
	Standby Power Consumption	0.3W	0.3W
	Operating Temperature Range	0°C - 35°C	0°C - 35°C
	Dimensions with Pedestal Stand (WxHxD)	933 x 650 x 295 (mm)	821 x 580 x 225 (mm)
	Dimensions without Pedestal Stand (WxHxD)	933 x 608 x 105 (mm)	821 x 539 x 98 (mm)
	Weight with Pedestal Stand	23 Kg	18.5 Kg
	Shipping Weight (TV+Stand) / Carton Size (WxHxD)	26Kg / 1,050 x 766 x 381 (mm)	23Kg / 916 x 691 x 290 (mm)
	Wallmount fixing points (WxH) / Thread Type	200 x 200 (mm) / M6	200 x 100 (mm) / M4

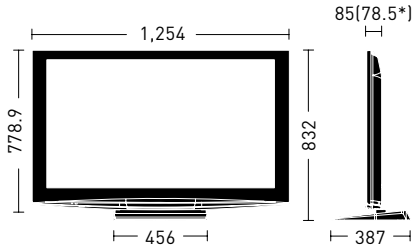
* Based on 'Normal' picture viewing mode using draft IEC62087 (2nd Edition) test method.
Specifications subject to change without notice v1.2 7MAY08

Dimensions for VIERA Plasma

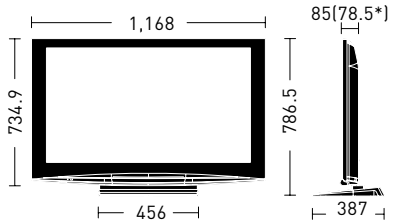
Dimensions [Unit: mm]

PZ800 Series

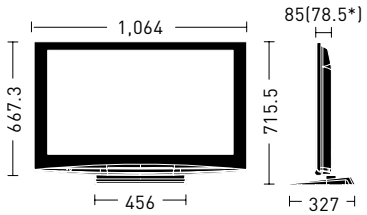
TH-50PZ800A



TH-46PZ800A



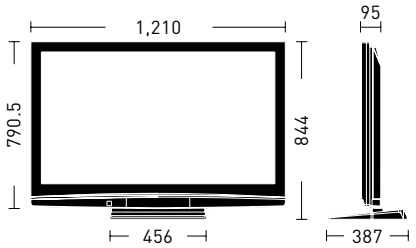
TH-42PZ800A



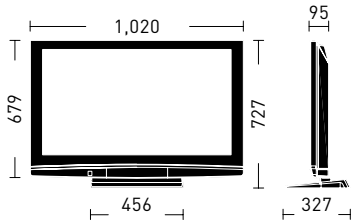
*Exclusive of protruding portion

PX80 Series

TH-50PX80A

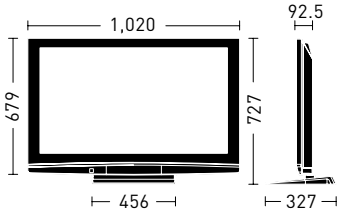


TH-42PX80A



PX8 Series

TH-42PX8A



Optional Accessories for Plasma

Wall-Hanging Bracket

TY-WK42PV4W [Vertical]
Dimensions (W x H x D)/Weight:
775 x 415 x 65 mm /6.3 kg
for all models

TY-WK42PR4W [Angled]
Dimensions (W x H x D)/Weight:
810 x 490 x 129 mm/9.0 kg
for all models

Panasonic HDMI Cables

1.5M
RP-CDHG15
RP-CDHG15-K (Black)

3M
RP-CDHG30

5M
RP-CDHG50

7M
RP-CDHG70

10M
RP-CDHG100

HDMI, the HDMI Logo and High-Definition Multimedia Interface are trademarks or registered trademarks of HDMI Licensing LLC.

Pixel Statement

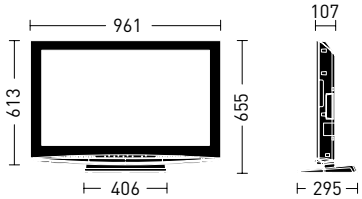
An image on a LCD or Plasma TV screen is created by many small groups of dots known as pixels (which is similar to the image in a newspaper). It also naturally follows that higher panel resolutions contain more pixels. By example, a TV with a HD panel resolution of 1366 x 768 has a pixel count of 1,049,088 pixels. Similarly, a Full-HD panel resolution of 1920 x 1080 contains 2,073,600 pixels. To create a colour image, each pixel consists of three tiny coloured dots (known as sub-pixels), one each of red, green and blue. This gives a total count in excess of six million individual dots manufactured into a Full-HD panel. Each one of these dots is precisely controlled by the electronics of the TV to produce the picture. Whilst Panasonic maintains the highest standards in manufacturing technology and processes in the construction of these panels, there are a number of allowable pixel/sub-pixel failures that still allow the panel to be defined as a good panel. It is not possible to guarantee absolutely no pixel loss.

Dimensions for VIERA LCD

Dimensions [Unit: mm]

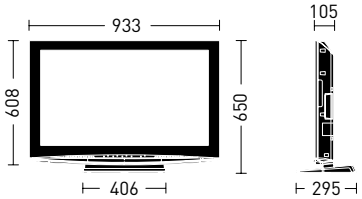
LZD850 Series

TX-37LZD850A

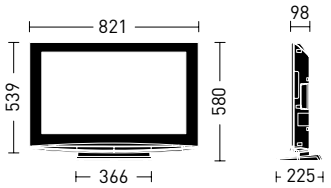


LZD800 Series

TX-37LZD800A

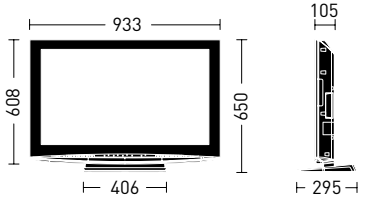


TX-32LZD800A

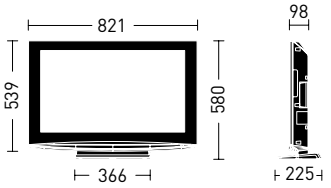


LXD80 Series

TX-37LXD80A



TX-32LXD80A



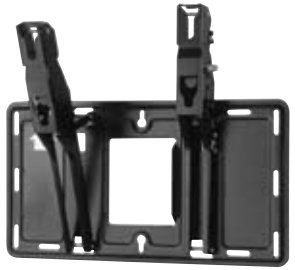
Optional Accessories for LCD

Wall-Hanging Bracket

TY-WK32LR2W

Dimensions (W x H x D) / Weight:
480 X 388 X 59 mm / 2.6 kg

for all models



Networking Products

Digital Camera

DMC-TZ15-K

1. 9.1-megapixel with 1/2.33-inch CCD
2. A 28mm wide-angle 10x optical zoom LEICA DC Lens
3. Intelligent Auto Mode - MEGA O.I.S., Intelligent ISO Control, Face Detection featuring Digital Red-eye Correction, Intelligent Scene Selector, Intelligent Exposure

HD Camcorder

HDC-SD9

1. World's Smallest and Lightest*1 3CCD FHD Camcorder
2. Digital Cinema Mode by 1920 x 1080 Progressive (25 fps)*2 Recording and Digital Cinema Colour
3. Face Detection AE

*1 For 3CCD FHD camcorders as of 6 January, 2008.
*2 In HA/HG mode.

Networking Products

Full-HD Blu-ray Disc™ Recorder with HDD (500GB) & Twin HD Tuner

DMR-BW500

1. High Definition Recording
2. Playback and Archiving to Blu-ray™ Disc
3. Integrated Twin HD DIgital Tuner, Record Two Programs Simultaneously
4. 7 Day EPG
5. HD Optimiser with Digital Noise Reduction for Digital Broadcasting

Full-HD Blu-ray Disc™ Player

DMP-BD30

1. Bonus View*
2. 1080/24p Playback
3. Movie (AVCHD) & JPEG View with SD Memory Card Slot

* BD-ROM Profile1 version1.1

Full-HD Blu-ray Disc™ Home Theatre Sound System

SC-BT105

1. Enjoy Full Audio Codec for Blu-ray Disc: Dolby TrueHD, Dolby Digital Plus, DTS-HD Master Audio with Powerful "Kelton Subwoofer" & Clear Sound "Bamboo Diaphragm Speakers"
2. High Definition 1080/24p Playback, HDMI, P4HD Accurate 1080i to 1080p Conversion*1, Final Standard Profile for Picture-in-Picture Function
3. Enjoy Additional Inter-Operability with Panasonic Products which Have VIERA Link*2, Enjoy Precious Memories in HD with SD Memory Card Slot

*1 Video sources converted to 1920 x 1080 resolution, while of high quality, will exhibit somewhat lower subjective image resolution than true, native 1080p full-HD sources.

*2 Not all 2008 VIERA Link features are compatible with all 2006/ 2007 VIERA Link products.

DVD Recorder with HDD (250GB) & Twin HD Tuner

DMR-XW300

1. High Definition Recording
2. Integrated Twin HD Digital Tuner, Record Two Programs Simultaneously
3. 7-day EPG
4. HD Optimiser with Digital Noise Reduction for Digital Broadcasting
5. HD Networking with SD Memory Card Slot

DVD Recorder with HDD (400GB) & SD Tuner

DMR-EX88

1. Integrated Digital Tuner (SD)
2. 7-day EPG
3. SD Card Slot & USB Input

DVD Home Theatre Sound System

SC-PT865W

1. Premium Sound Quality: Powerful Bass Sound "Kelton Subwoofer" & Clear Dialogue "Bamboo Diaphragm Center Speaker"
2. Easy to Use with Premium Video Quality: High Quality Picture with 1080p Up-Conversion, Enjoy Additional Inter-Operability with Panasonic Products which have VIERA Link
3. New Media Friendly: Integrated Universal Dock for iPod*1, Enjoy Your iPod Music & Video*2, On-Screen Display for iPod Music Menu, USB Connectivity for Audio/Video Playback

* Not all 2008 VIERA Link features are compatible with all 2006/ 2007 VIERA Link Products.

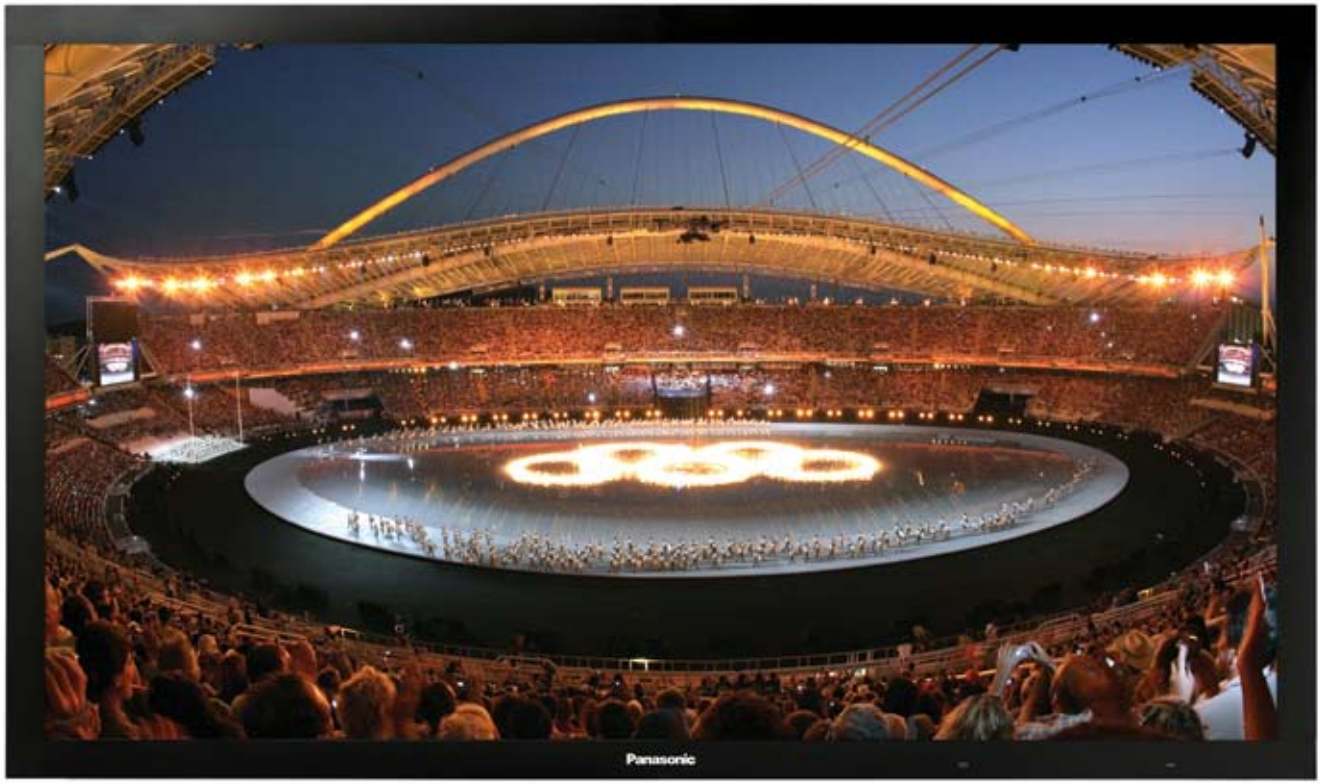
*1 Made for iPod. iPod not included.

*2 To enjoy iPod video contents, please connect your Home Theatre Sound System with Composite cable to your TV.

* iPod is a trademark of Apple Inc., registered in the U.S. and other countries.

Commercial Plasma Display Panel

TH-103PF10WK -103" /260cm Full High Definition Professional Plasma Display



Dynamic, Eye-Catching 103-inch Images Have Powerful Appeal

The TH-103PF10WK is designed to be an awe-inspiring centrepiece for a wide range of facilities and events. From corporate lobbies and conference rooms to trade show exhibits, this super-large 1080P Full-HD Plasma panel is a show stopper for a wide range of professional applications.

- Full-HD Progressive Plasma Panel (103" /260cm - 1920x1080 pixels)
- "Super Cinema Mode" - perfectly tuned colour setting
- Three interchangeable slots - provides flexible and powerful system solution by adding/exchanging a wide variety of optional plug-in boards for easy connection to other devices
- Optional plug-in boards also available to maximise 1080p resolution panel performance
- 100,000 Hours Long Life Panel*1

Superior Motion Image Resolution

To deliver the full beauty of Full-HD images, the display needs to render motion images in clear detail. Plasma display panels use a self-illuminating system to boost resolution in images with fast motion. Panasonic brings out all the beauty inherent in 1080p Full-HD to reproduce crisp, sharp images that move smoothly even when viewed on a huge, 103-inch screen.

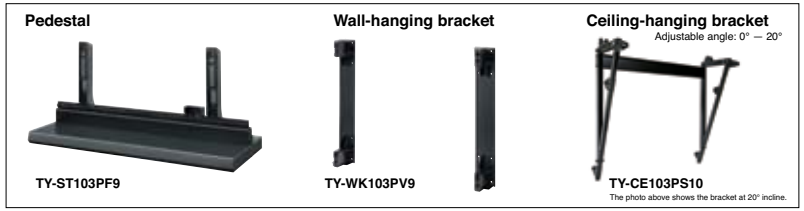
Accurate Reproduction of the Ambience in Movies

Digital Color Reality technology delivers accurate gradation from light to dark. By continuously adjusting the white balance and performing gamma correction as scenes change, this technology accurately expresses the warmth of light, and reproduces delicate shading. With movie scenes especially, the new plasma displays create the kind of faithful ambience that were difficult for previous systems to deliver.

Faithfully expresses subtle colour differences in bright and shaded areas.

Expresses the natural warmth of sunlight, and conveys subtle colour differences in bright and shaded areas.

Mounting Options



*1 This measurement is based on the time taken for the brightness of the panel to reduce to half of its initial maximum level. The time taken to reach this level may vary depending on the image content and the environment where the TV is used. Image retention and malfunctions are not taken into account.

4,096 Gradation Steps

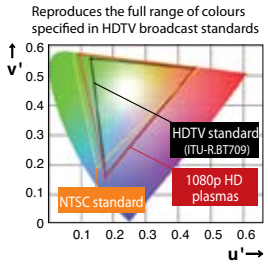
Detailed gradation is essential for reproducing smooth, natural colours. This is one of the keys to the unsurpassed image quality of our 103-inch plasma model. Achieving the equivalent of 4,096 gradation steps – Panasonic 103-inch plasma renders images with natural colouration, subtle nuancing and exquisite detail.

Deep, Crisp Blacks with 5,000:1 Contrast Ratio

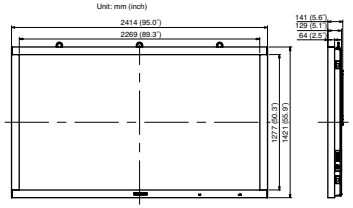
Panasonic takes specifications to even higher levels with its 5,000:1 contrast ratio, allowing our 103-inch plasma displays toprovide remarkable images in nearly any viewing environment. They reproduce beautiful images with tight, rich blacks – a hallmark of high-quality plasma displays – as well as smooth, natural tonal graduation and outstanding depth.

Reproducing the Entire HDTV Colour Range

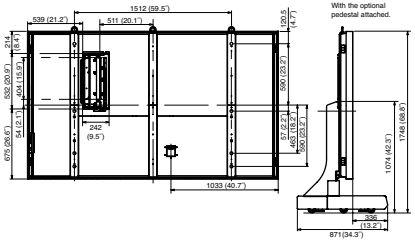
HD sources are based on the HDTV standard rather than the conventional NTSC standard. In our new 1080p HD models, the panel phosphor characteristics closely match the HDTV-standard color gamut. This lets our plasmas reproduce the entire color range specified in the HDTV standard (ITU-R. BT709), so images are faithful to the original HD source.



Dimensions (without stand)



Dimensions (with Optional Pedestal stand)



Commercial Plasma Display Panel

Specifications

		TH-103PF10WK
DISPLAY		
Screen Size (Diagonal)		260cm/103"
Screen Aspect Ratio		16:9 Widescreen
Effective Display Area (W X H)		2,269 x 1,277 mm
Resolution (H X V)		1,920 x 1,080 (1 pixel = 3 cells for R, G and B)
Pixel Pitch		1,182 x 1,182 mm
Brightness		1,000 cd/m^2
Contrast Ratio		5,000:1
Gradation		4,096 steps (equivalent)
Picture Viewing Modes		Dynamic, Normal, Cinema, Eco
SIGNAL COMPATIBILITY		
Scan Rate		Horizontal frequency 15 - 110 kHz Vertical frequency 48 -120 Hz
PC Signal Compatibility		VGA, WVGA, SVGA, XGA, WXGA, WXGA+, SXGA, SXGA+, WSXGA+ UXGA, WUXGA (UXGA and over resolution : compressed)
Supported Video Standards		NTSC, PAL, PAL 60, SECAM, Modified NTSC
INPUT/OUTPUT		
Fixed Terminals		Yes
	PC IN	Mini D-sub 15pin x 1 (Female) Analogue RGB/Components *Plug & Play (VESA DDC 2B)
	AUDIO IN	M3 jack x 1
	SERIAL	D-sub 9-pin x 1(Male) External control, RS-232C compatible
	AUDIO OUT	RCA pin jack x 2(L/R) Output level : VARIABLE
Interchangeable Terminals		
(Slot1)	Vacant	
(Slot2:TY-FB10HMD)	HDMI IN	HDMI TYPE A x 2
(Slot3:TY-42TM6A)	COMPONENT IN	BNC x 3 Analogue RGB / Component
	AUDIO IN (L/R)	RCA pin jack x 2
ELECTRICAL		
Power Requirements		AC 220 - 240 V , 50 Hz/60 Hz
Power Consumption		1,500 W
Power off condition		0.5 W
Stand-by condition		Save Off 1.0 W, Save On 0.9 W
MECHANICAL		
Dimensions (W x H x D)		2,414 x 1,421 x 129 mm (141 mm when including protruding portion of slots)
Weight		approx. 220 kg
Cabinet Colour		Black
ENVIRONMENTAL		
Operating environment	Temperature	0 °C - 40 °C
	Humidity	20 % - 80 % (Non condensation)
	Altitude	0 - 2,400 m
Storage environment	Temperature	–20 °C - 60 °C
	Humidity	20 % - 90 % (Non condensation)
	Altitude	0 - 3,300 m
RADIATION REGULATIONS		
		CISPR22 Class-B
SAFETY STANDARDS		
		AS/NZS60065, SASO, IEC60065/SS, IEC60065/PAI, IEC60065
IR REMOTE CONTROL		
	Power Requirements	DC 3 V (2 x R6 (UM3) Battery)
	Operation distance	approx. 7 m in front of plasma display
	Weight	approx. 130 g including batteries
INCLUDED ACCESSORIES		
		• Remote controller • Batteries • Fixing Band x 2 • AC Power cord • Operating instruction book • Allenwrench • Eyebolt cap x 3
OPTIONAL ACCESSORIES		
		• Wall-hanging bracket (vertical) • Pedestal • Terminal boards

Specifications subject to change without notice.

Sharing the Passion

Panasonic
Official Worldwide Olympic Partner

Venue

Creating Excitement at Olympic Venues

Professional Equipment

- Large-scale Video Displays (ASTROVISION Screens, DLP type Projectors)
- Professional Audio Systems (RAMSA Series)
- Surveillance Cameras

Spirit of Participation

ASTROVISION RAMSA

Broadcast

Delivering Olympic Excitement to the World

Reliability

High Picture Quality

- High Definition Broadcast Video Camera
- DVCPRO HD
- DVCPRO P2
- DVCPRO 50
- Edit Controllers
- Digital AV mixers
- Video Monitors

DVCPRO RAMSA

Home

Enjoying Olympic Excitement at Home

Large-Screen Viewing

High Sound Quality

Large-Capacity Storage

Mobility

- High Definition Televisions
- Plasma TVs, LCD TVs
- Blu-ray Disc™ Recorders
- DVD Recorders
- Digital Video Cameras
- SD Card Video Cameras
- Car Navigation, Audio/Video Systems

VIERA DIGA HDCamcorder

DEEPLY MOVING
with the
Beijing 2008 Olympic Games

Panasonic

Official Worldwide
Olympic Partner

Enjoy the spectacular Olympic Games with a VIERA Television

You will be able to experience the action and excitement of Australia's athletes as they compete all on a large screen. It is the next best thing to actually being there!

VIERA

Capture your experiences with a High Definition Camcorder

Capture all your experiences from the Olympic Games and keep all your memories fresh with a High Definition Panasonic Camcorder.

HD Camcorder
HIGH DEFINITION

Record and preserve your favourite Olympic moments with a Panasonic Blu-ray Disc™ or DVD Recorder

Store Olympic broadcasts and recordings from your Video Camera on your Blu-ray Disc™ or DVD Recorder.

DIGA

Beijing 2008

Panasonic

Official Worldwide
Olympic Partner

Panasonic
ideas for life

www.panasonic.com.au

Panasonic
Customer
care
centre
132600

Panasonic Australia Pty Limited.
ACN 001 592 187 ABN 83 001 592 187

Visit our website at: www.panasonic.com.au or email our Customer Care Centre on pacc@panasonic.com.au or phone the Customer Care Centre on 132 600.
Specifications are subject to change without notice. While every effort has been made to represent product colours accurately, slight variation may occur due to the printing process.
TV pictures are simulated and for reference only. Some TV models shown may be overseas models. Publishing date: May 2008.